

**CLAIMS**

We claim:

- 1           1.     A method comprising:  
2           encoding a first coefficient value in a first frame of a motion sequence;  
3           subsequently setting a second coefficient in a second frame of the  
4           motion sequence and in the same position as the first coefficient to be within  
5           a predetermined closeness with the value of the first coefficient.
- 1           2.     The method defined in Claim 1 wherein the predetermined  
2           closeness is within a quantization bin size.
- 1           3.     The method defined in Claim 1 wherein the predetermined  
2           closeness is within twice a quantization bin size.
- 1           4.     The method defined in Claim 1 wherein the second coefficient  
2           is set to the same value as the first coefficient.

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1           5.     The method defined in Claim 1 further comprising  
2     determining whether quantization is applied to the first coefficient, wherein  
3     setting the second coefficient occurs only if the same quantization was  
4     applied to the first coefficient.

1           6.     The method defined in Claim 1 wherein setting the second  
2     coefficient to the value near the first coefficient occurs only if the absolute  
3     value of a difference between a quantized version of the first coefficient and  
4     a result of applying a scalar quantization to the second coefficient is less than  
5     a threshold value.

1           7.     The method defined in Claim 6 wherein the threshold  
2     comprises a value equal to twice the quantization step size.

1           8.     An article of manufacture comprising at least one recordable  
2     media storing executable instructions thereon which, when executed by a  
3     processing device, cause the processing device to:  
4            encode a first coefficient value in a first frame of a motion sequence;

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5 subsequently set a second coefficient in a second frame of the motion  
6 sequence and in the same position as the first coefficient to be within a  
7 predetermined closeness with the value of the first coefficient.

1 9. The article of manufacture defined in Claim 8 wherein the  
2 predetermined closeness is within a quantization bin size.

1 10. The article of manufacture defined in Claim 8 wherein the  
2 predetermined closeness is within twice a quantization bin size.

1 11. The article of manufacture defined in Claim 8 wherein the  
2 second coefficient is set to the same value as the first coefficient.

1 12. An apparatus comprising:  
2 means for encoding a first coefficient value in a first frame of a motion  
3 sequence;  
4 means for subsequently setting a second coefficient in a second frame  
5 of the motion sequence and in the same position as the first coefficient to be  
6 near to the value of the first coefficient.

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1           13.    The apparatus defined in Claim 12 wherein the predetermined  
2   closeness is within a quantization bin size.

1           14.    The apparatus defined in Claim 12 wherein the predetermined  
2   closeness is within twice a quantization bin size.

1           15.    The apparatus defined in Claim 12 wherein the second  
2   coefficient is set to the same value as the first coefficient.

1           16.    An encoding apparatus comprising:  
2           a wavelet transform;  
3           a quantizer coupled to the wavelet transform, the quantizer  
4   comprising:  
5           a first memory to store a threshold value,  
6           a second memory to store quantized versions of coefficients in  
7   a previous frame of a motion sequence, and  
8           quantization logic to set a first coefficient value in a subsequent  
9   frame to a value within a predetermined closeness to that of a second  
10   coefficient at the same position in the previous frame.

1           17.    The encoding apparatus defined in Claim 16 wherein the  
2    quantization logic determines whether quantization is applied to the first  
3    coefficient and sets the second coefficient occurs only if quantization was  
4    applied to the first coefficient.

1           18.    The encoding apparatus defined in Claim 16 wherein the  
2    quantization logic sets the second coefficient to the value of the first  
3    coefficient only if the absolute value of a difference between a quantized  
4    version of the first coefficient and a result of applying a scalar quantization  
5    to the second coefficient is less than a threshold value.

1           19.    The encoding apparatus defined in Claim 16 wherein the  
2    threshold comprises a value equal to twice the quantization step size.

1           20.    The encoding apparatus defined in Claim 16 wherein the  
2    predetermined closeness is within a quantization bin size.

1           21.    The encoding apparatus defined in Claim 16 wherein the  
2    predetermined closeness is within twice a quantization bin size.

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